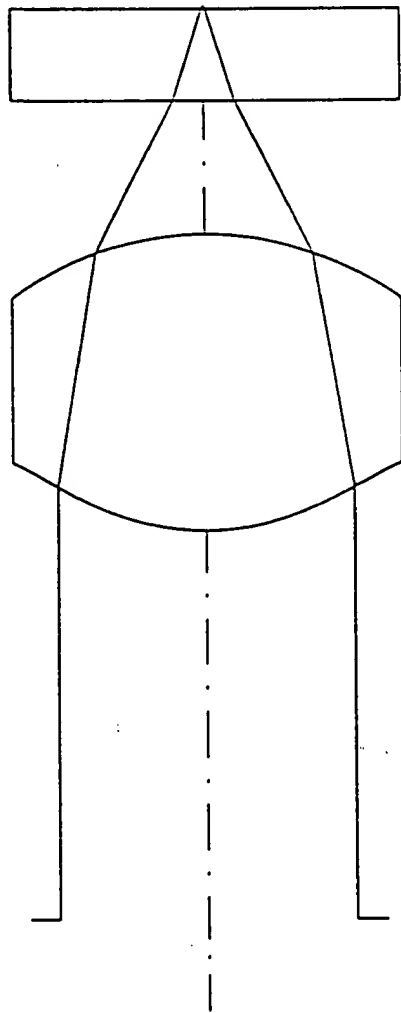
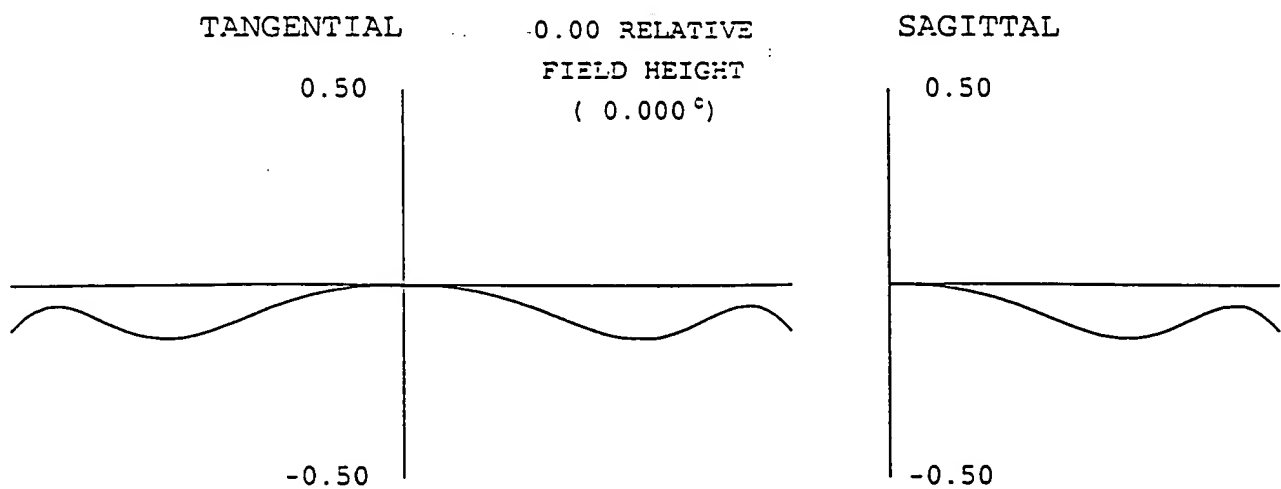


FIG. 1



PRIOR ART EXAMPLE

FIGURE 1



0.140 WAVE P-V

0.035 WAVE RMS

FIGURE 2 (PRIOR ART)

PRIOR ART

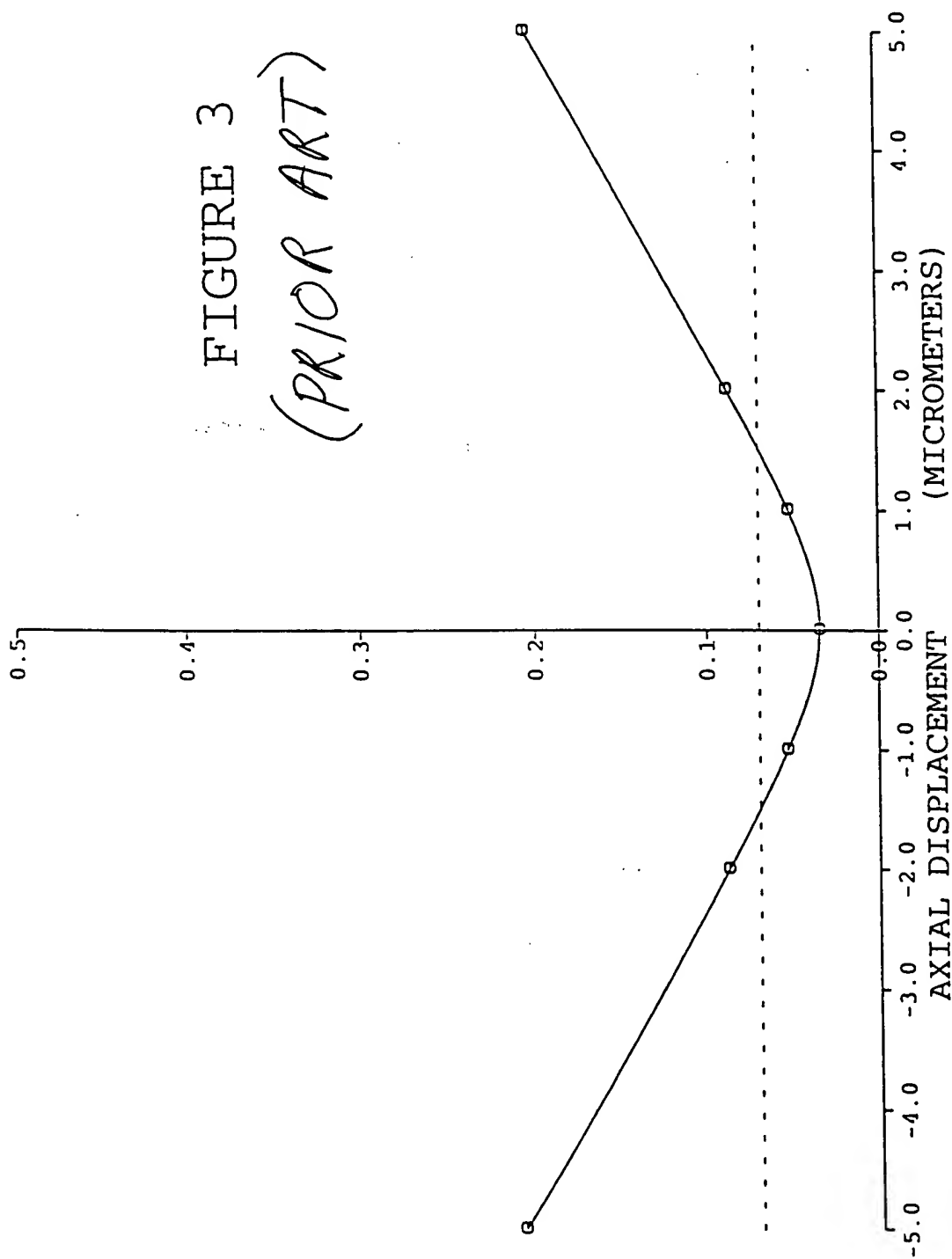
DEPTH OF FOCUS

0.45NA AND 780NM

MARECHAL DIFFRACTION LIM

RMS WAVEFRONT ERROR

FIGURE 3
(PRIOR ART)



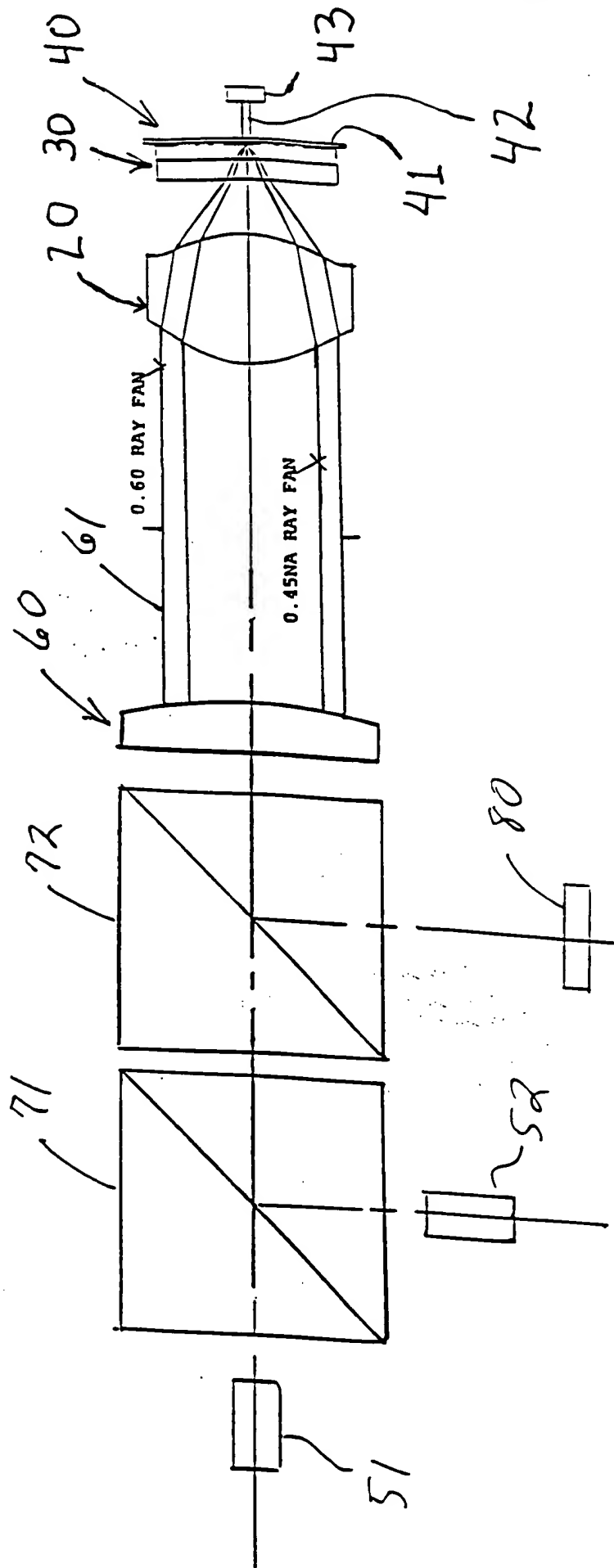
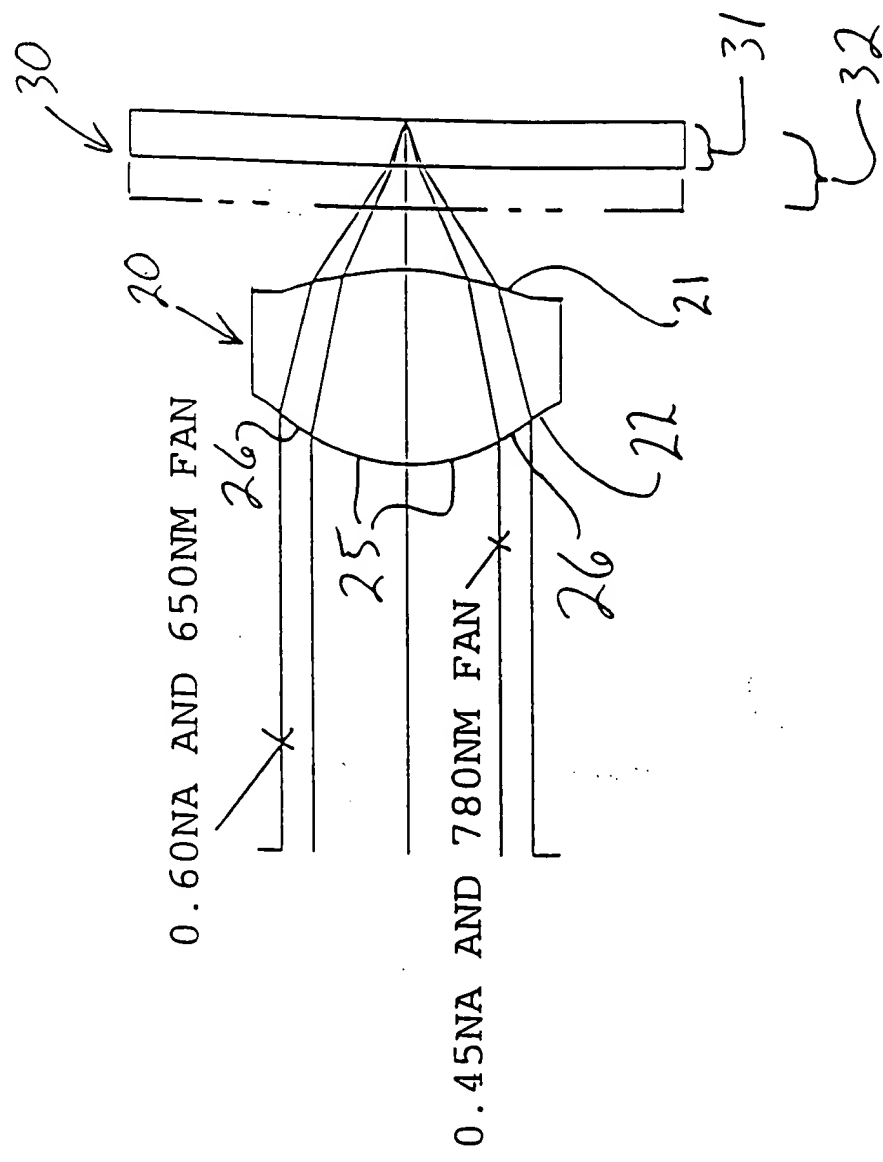


FIG 4

FIGURE 5

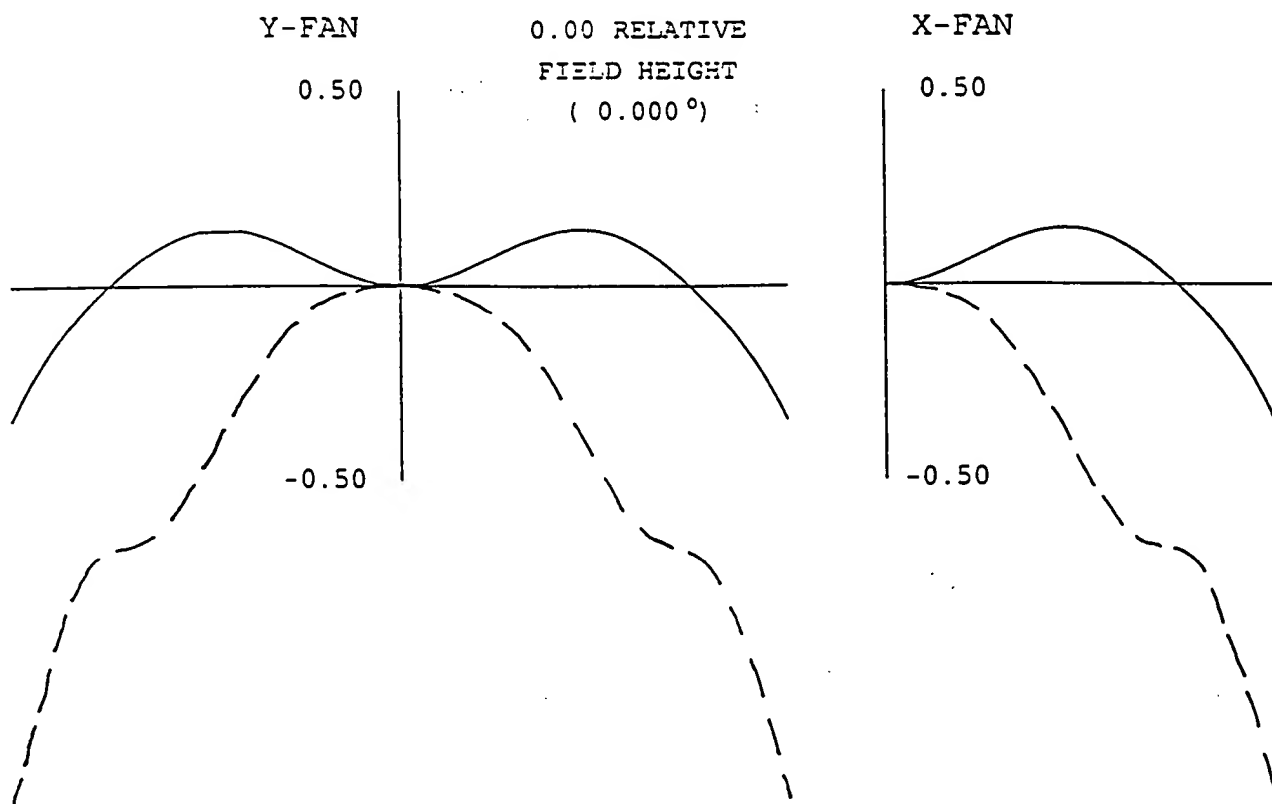


2.50 MM

Position: 2
Scale: 10.00

CD/DVD FOCUS LENS

FIGURE 6



CD/DVD FOCUS LENS

OPTICAL PATH DIFFERENCE (WAVES)

POSITION 1

----- 650.0 NM
 _____ 780.0 NM

BI-ASPHERE

DEPTH OF FOCUS

0.45NA AND 780NM

0.60NA AND 650NM

MARECHAL DIFFRACTION LIM

FIGURE 7

RMS WAVEFRONT ERROR

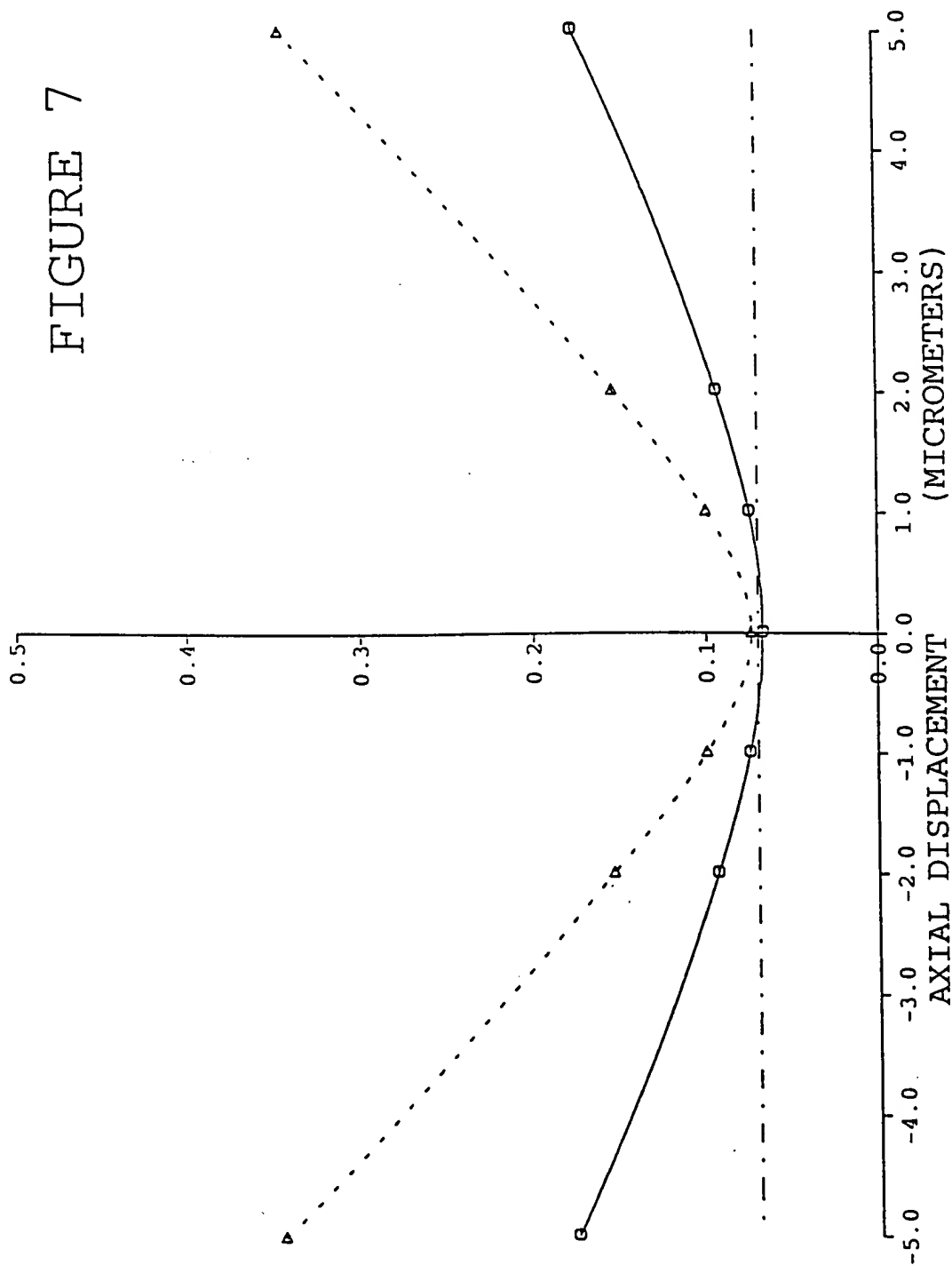
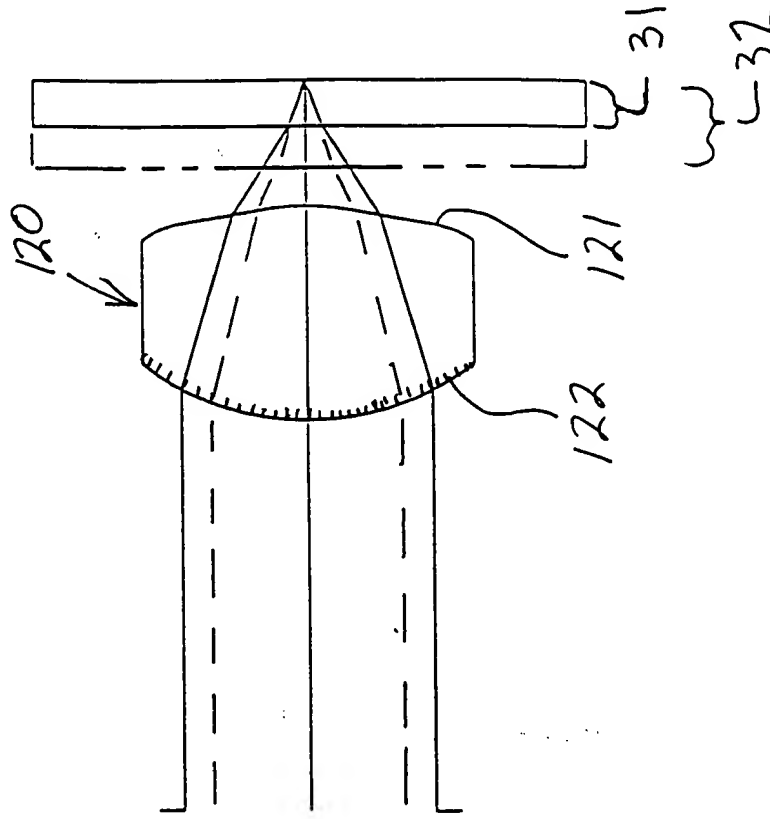


FIGURE 8



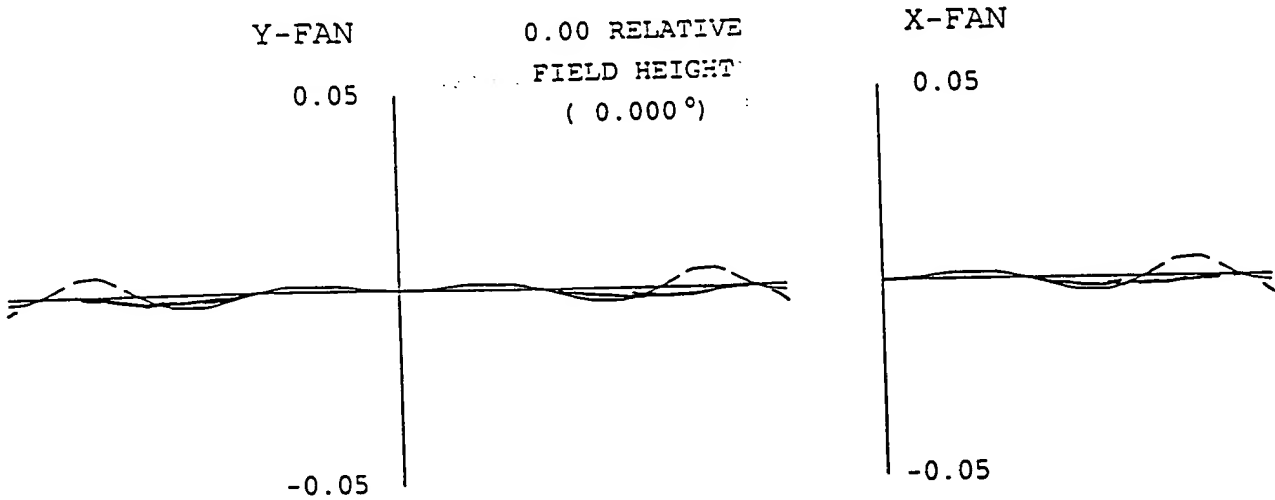
2.50 MM

Position: 2

Scale: 10.00

CD/DVD FOCUS LENS

FIGURE 9



CD/DVD FOCUS LENS

OPTICAL PATH DIFFERENCE (WAVES)

POSITION 2

----- 650.0 NM
 _____ 780.0 NM

DIFRACTIVE LENS

DEPTH OF FOCUS

0.45NA AND 780NM

0.60NA AND 650NM

MARECHAL DIFFRACTION LIM

FIGURE 10

RMS WAVEFRONT ERROR

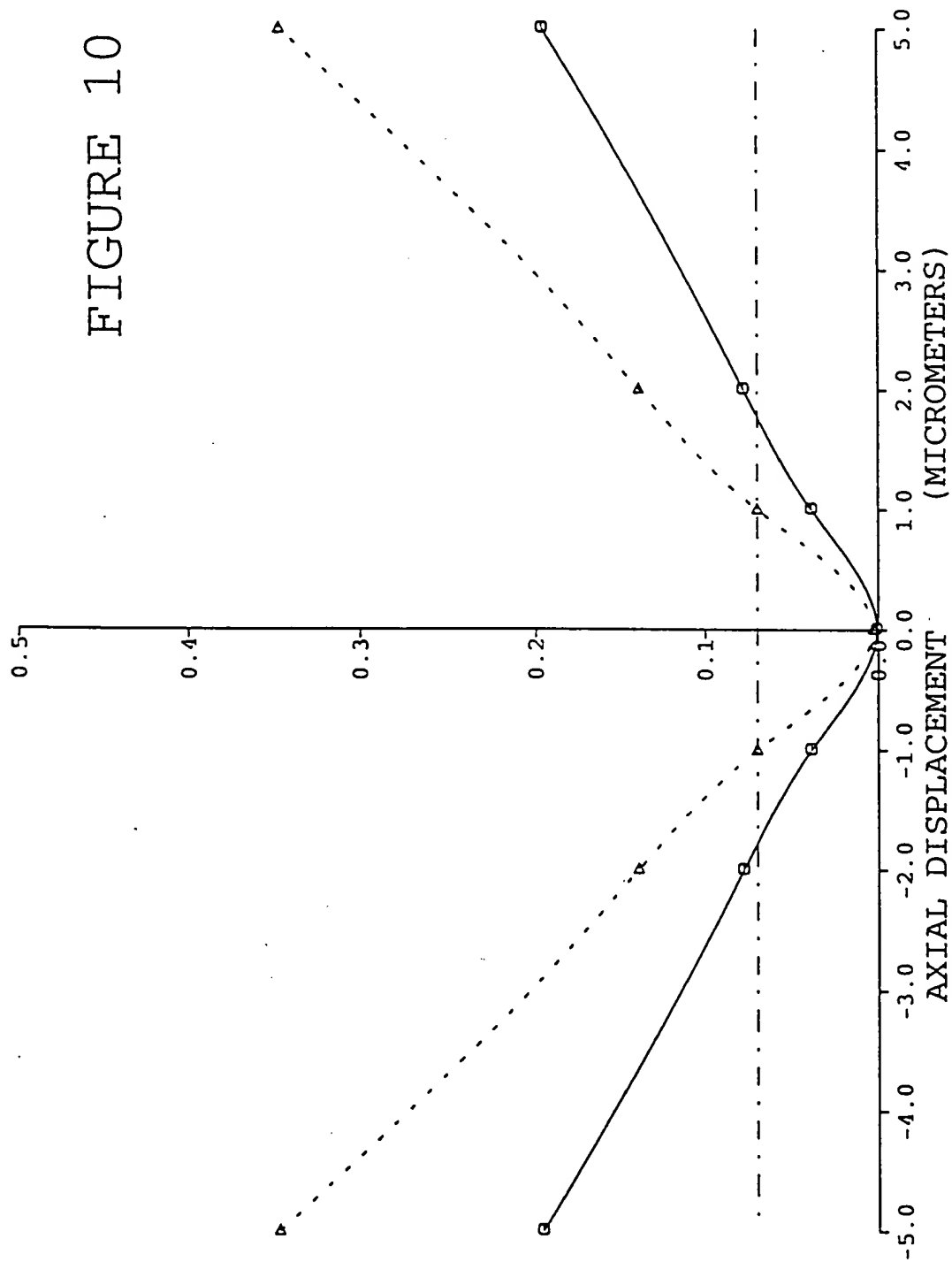
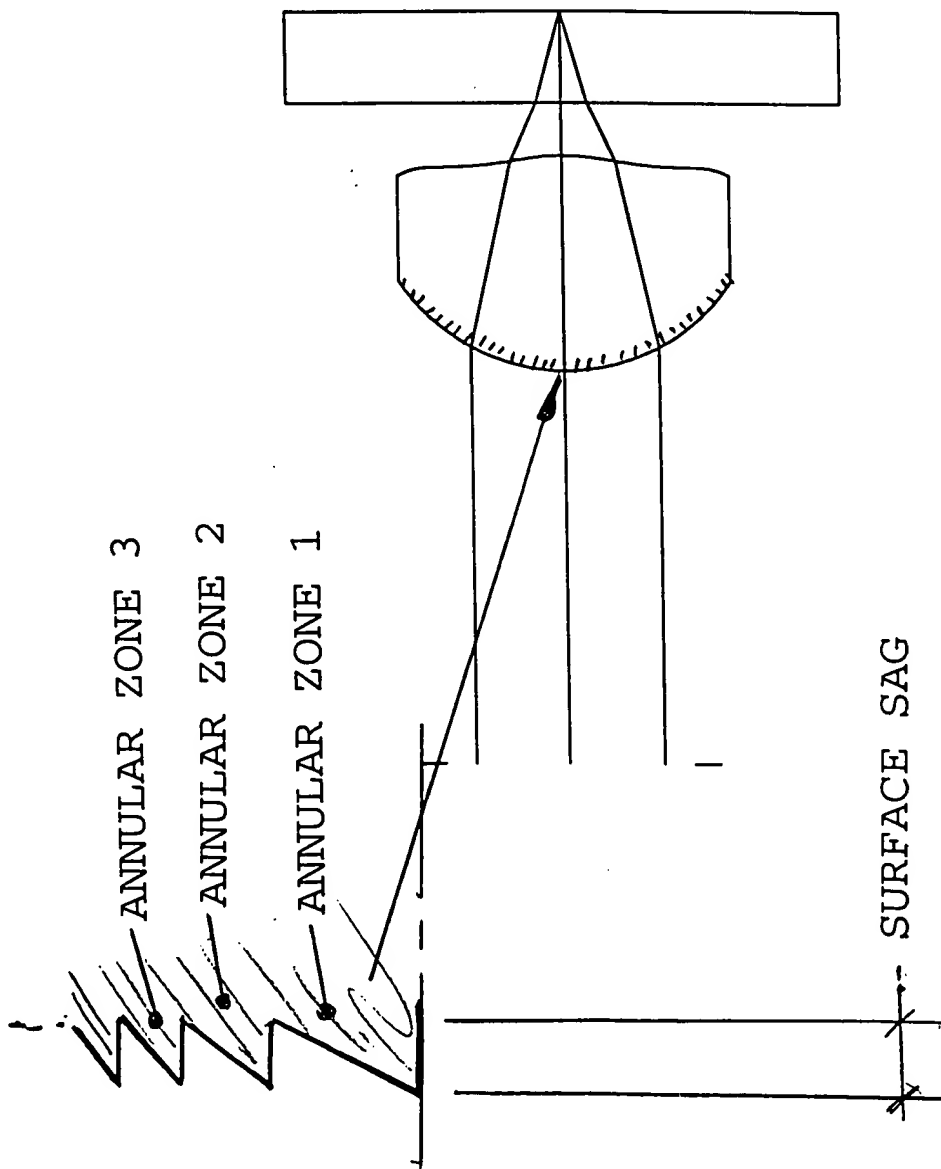


FIGURE 11



2.50 MM

Position: 1

Scale: 10.00

CD/DVD FOCUS LENS

FIGURE 12